CMOS/Mega-Pixel CMOS/CCD Internet Camera

ICA-230 / ICA-M230 / ICA-501

Quick Installation Guide

Table of Contents

Chapter 1. Introduction 3

1.1 Before Installation 3

1.2 System Requirements 3

1.3 Package Content 3

Chapter 2. Physical Description 4

2.1 ICA-230/M230 4

2.1.1 Front Panel 4

2.1.2 Rear Panel 5

2.2 ICA-501 6

2.2.1 Front Panel 6

2.2.2 Rear Panel 7

Chapter 3. Mounting the PT Internet Camera 8

3.1 Ceiling Mount 8

3.2 Wall Mount 8

3.3 Physical Installation 9

Chapter 4. IP Wizard 10

4.1 Installation 10

4.2 Wizard function 13

4.3 Username and Password 14

Chapter 5. Cam Viewer Installation 15

Appendix A: Feature Listing for Cam Viewer 19

Appendix B: Suggest Hardware / System Requirement 20

Ordering Information for Cam Viewer Pro 20

Further Configuration 20

Chapter 1. Introduction

Thank you for purchasing the Pan/Tilt Internet Camera. It is versatile and high image solution of surveillance application for day and night. The Pan/Tilt Internet Camera is also a stand-alone camera system with a built-in processor and web server that provides highest quality video and system performance.

1.1 Before Installation

Before installation, please be sure to read this quick installation guide and user's manual (CD) carefully to complete machine installation. This guide shows how to quick set up the three cameras, unless model name specified terms "PT Internet Camera" will be used for these three models.

1.2 System Requirements

Network Interface	10/100MBase-TX Ethernet
Monitoring System	Recommended for Internet Explorer 6.0 or later
System Hardware	• CPU: Pentium 4, 3.0GHz or above • Memory Size: 512 MB (512 MB or above Recommended) • VGA card resolution: 1024 x 768 or above • VGA card memory: 64 MB or above (at least 128 MB for Megs-pixel resolution) • **Network bandwidth: In VGA resolution mode, minimum upload bandwidth is 1Mbps.**

1.3 Package Content

PT Internet Camera x 1

Power Adapter x 1

Camera Mount Kit x 1

CD Disk x 1

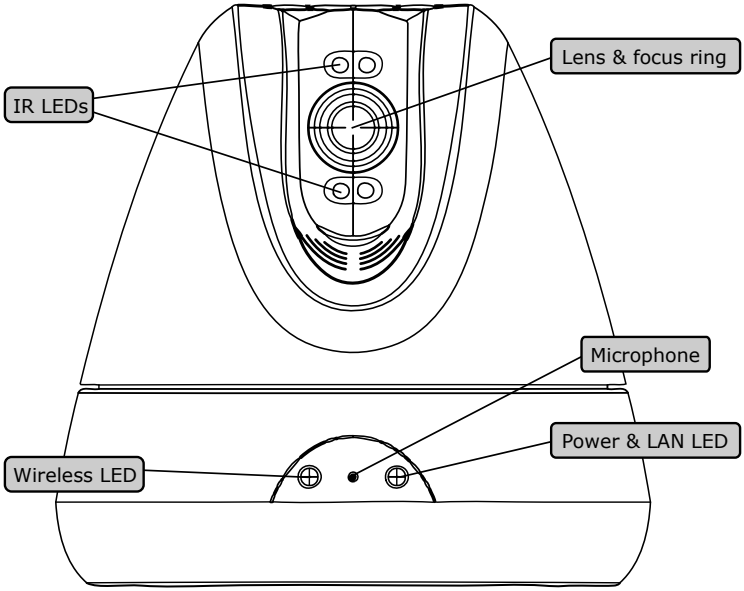
Quick Installation Guide x 1

Note	If any of the above items are missing, please contact your dealer immediately.

Chapter 2. Physical Description

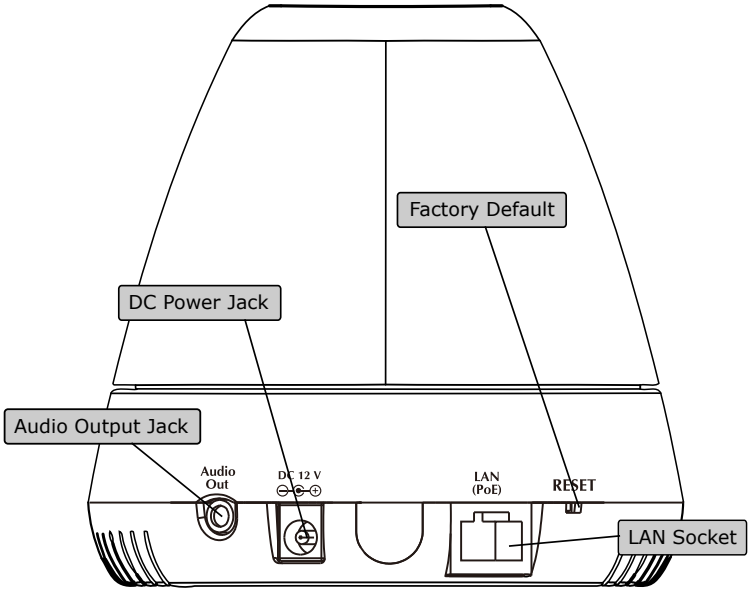
2.1 ICA-230/M230

2.1.1 Front Panel



IR LEDs	These LEDs are Infra-Red type. It's very useful for low-lux environment to provide supplementary light source for image sensor.
Lens & focus ring	User could use this ring to adjust focus manually.
Power & LAN LED	This LED is used to indicate whether DC power is on or not. In addition, this LED will be flashing while network accessing via Ethernet.
Microphone	The Camera has built-in an internal microphone. This microphone is hidden in the pinhole located on the front panel.
Wireless LED	This LED is used to indicate the wireless accessing of the Camera. *Future feature

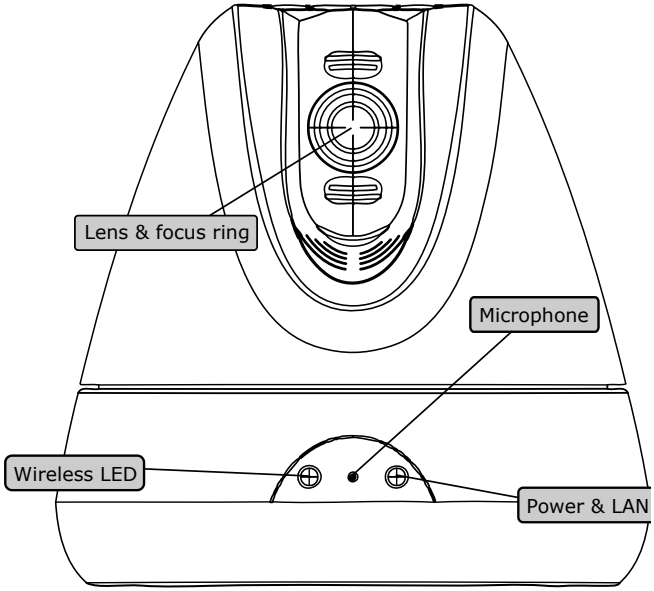
2.1.2 Rear Panel



Audio Output Jack	Audio-out Jack allows this device to output audio or alerting sound.
DC Power Jack	The input power is 12VDC. **Note:** Only use the power adapter supplied with ICA-230/M230. Otherwise, the product may be damaged.
LAN Socket	The LAN socket is a RJ-45 connector for connections to 10Base-T Ethernet or 100Base-TX Fast Ethernet cabling. This Ethernet port built N-Way protocol can detect or negotiate the transmission speed of the network automatically. Please use Category 5 "straight through" cable to connect the ICA-230/M230 to a 100Mbps Fast Ethernet network switch or hub. The LAN socket is compliant with IEEE802.3af standard PoE interface. **Note:** If you need to connect the ICA-230/M230 to PC or notebook directly, you should use cross over cable instead.
Factory Default Reset	This button is hidden in the pinhole. Please refer to the Appendix A in manual for more information.

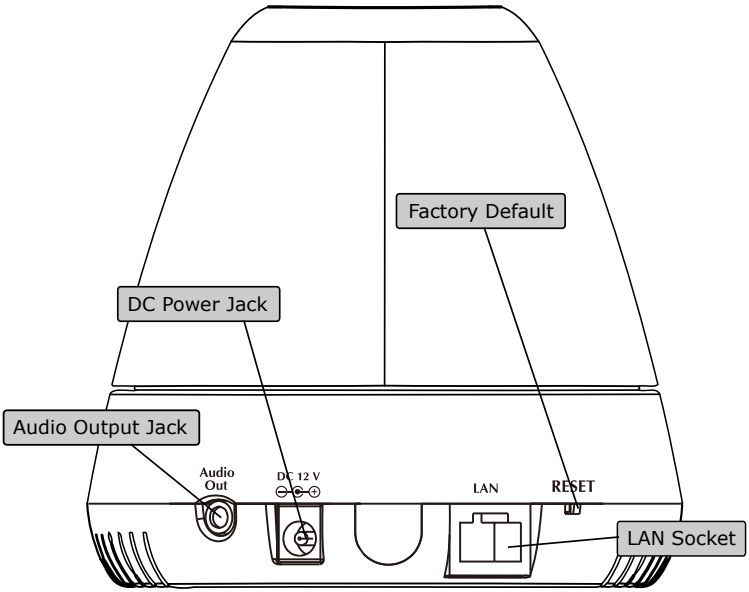
2.2 ICA-501

2.2.1 Front Panel



Lens & focus ring	User could use this ring to adjust focus manually.
Power & LAN LED	This LED is used to indicate whether DC power is on or not. In addition, this LED will be flashing while network accessing via Ethernet.
Microphone	The Camera has built-in an internal microphone. This microphone is hidden in the pinhole located on the front panel.
Wireless LED	This LED is used to indicate the wireless accessing of the Camera. *Future feature

2.2.2 Rear Panel

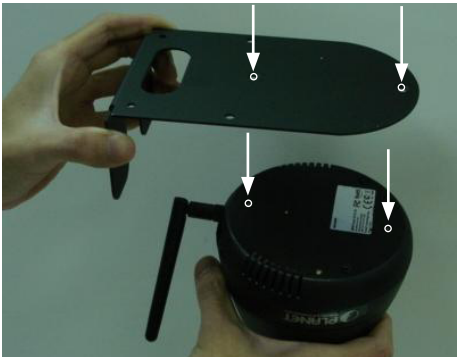


Audio Output Jack	Audio-out Jack allows this device to output audio or alerting sound.
DC Power Jack	The input power is 12VDC. **Note:** Only use the power adapter supplied with ICA-501. Otherwise, the product may be damaged.
LAN Socket	The LAN socket is a RJ-45 connector for connections to 10Base-T Ethernet or 100Base-TX Fast Ethernet cabling. This Ethernet port built N-Way protocol can detect or negotiate the transmission speed of the network automatically. Please use Category 5 "straight through" cable to connect the ICA-501 to a 100Mbps Fast Ethernet network switch or hub. **Note:** If you need to connect the ICA-501 to PC or notebook directly, you should use cross over cable instead.
Factory Default Reset	This button is hidden in the pinhole. Please refer to the Appendix A in manual for more information.

Chapter 3. Mounting the PT Internet Camera

3.1 Ceiling Mount

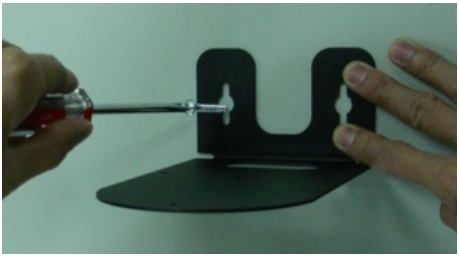
1. Fix the camera to L-type bracket with two supplied screws.



2. Fix the bracket and camera to the ceiling using two holly wall anchors and screws.

3.2 Wall Mount

1. Fix the L-type bracket to the wall using two holly wall anchors and screws.



2. Fix the camera to L-type bracket with two supplied screws.

3.3 Physical Installation

1. Connect an Ethernet cable

   Connect the LAN cable on the PT Internet Camera to the network device (hub or switch).

Note	If there has a IEEE802.3af PoE switch in your network, you can connect the ICA-230/M230 LAN cable to this PoE switch to obtain power. The power adapter is unnecessary when ICA-230/M230 is connected to a PoE switch.

2. Check the LED (Front Panel)

   The LED is defined to identify LAN connection type. When LAN port is connected, the LED will be green.

3. Place the PT Internet Camera on the table or fix it onto ceiling or wall

   Use screws to fix the PT Internet Camera onto the ceiling or wall. You could also put the PT Internet Camera in the table directly.

4. Attach the power supply

   Plug in power adapter and connect to power source. After power on, PT Internet Camera will start to operate.

Note	Only use the power adapter supplied with PT Internet Camera. Otherwise, the product may be damaged The power adapter is unnecessary when ICA-230/M230 is connected to a PoE switch. Otherwise, the product may be damaged when ICA-230/M230 is connected to a PoE switch and power adapter simultaneously.

5. Attach Speaker to PT Internet Camera (option)

   If user needs not only video stream but also audio stream, then the speaker should be attached to PT Internet Camera.

Chapter 4. IP Wizard

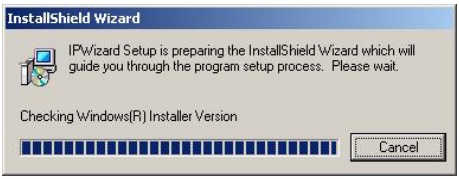
This chapter shows how to quick set up your PT Internet Camera. The PT Internet Camera is with the default settings. However to help you find the networked camera quickly the windows utility-IPWizard can search the cameras in the network that shall help you to configure some basic setting before you started advanced management and monitoring.

4.1 Installation

Note	In the installation steps below, this guide use ICA-M230 as the example. However, the steps for ICA-501 & ICA-230 are similar.

1. Insert the bundled CD into the CD-ROM drive to launch the autorun program. Once completed, a welcome menu screen will appear.
2. Click the "IPWizard" hyperlink, you will see the InstallShield Wizard dialog box as below.

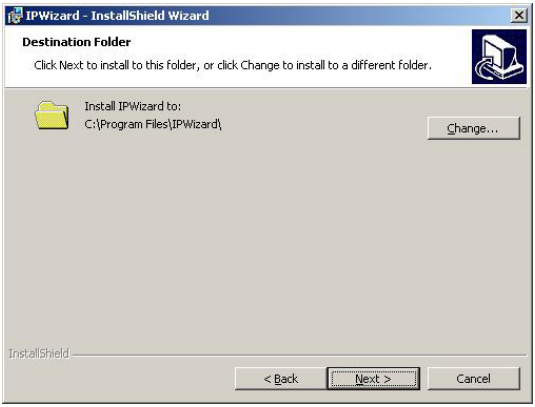
Note	If the welcome screen does not appear, click "Start" at the taskbar. Then, select "Run" and type "D:\Utility\setup.exe", assume D is your CD-ROM drive.


InstallShield Wizard
IPWizard Setup is preparing the InstallShield Wizard which will guide you through the program setup process. Please wait.
Checking Windows(R) Installer Version
Cancel

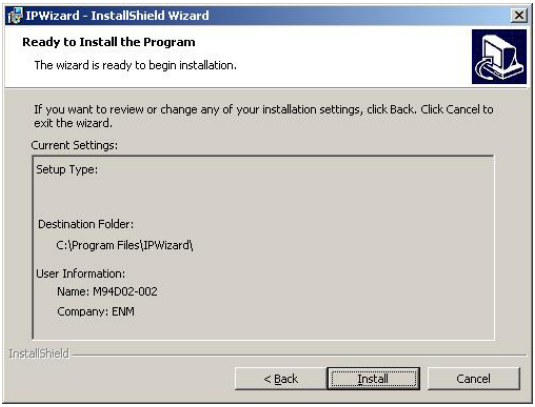
3. The "Welcome to the InstallShield Wizard for IPWizard" will display on the screen and click "Next" to continue.

IPWizard - InstallShield Wizard
Welcome to the InstallShield Wizard for IPWizard
The InstallShield(R) Wizard will install IPWizard on your computer. To continue, click Next.
WARNING: This program is protected by copyright law and international treaties.
< Back
Next >
Cancel

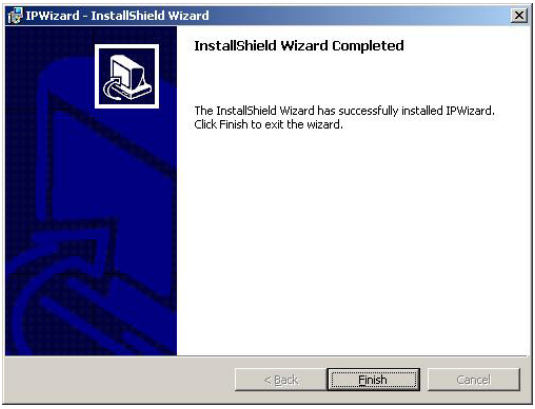
4. Please click “Next” to install with original settings, or you may click “Change…” button to modify the install folder then press “Next” to continue.



5. Please click “Install” to start the installation.



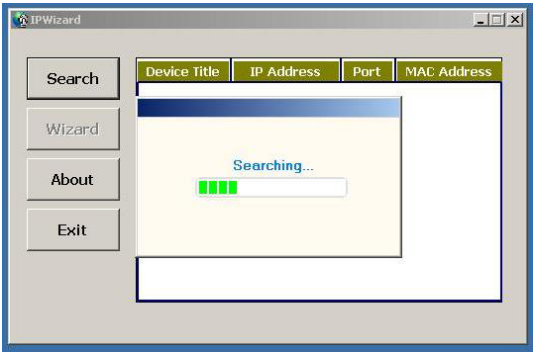
6. Please click "Finish" to complete the installation



7. Please double-click the utility icon

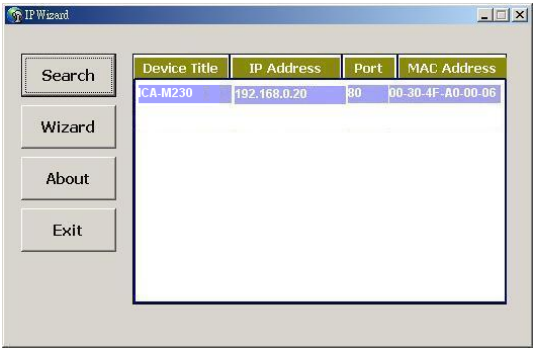
on the desktop then you will see the ICA-M230 utility.

8. Press "Search" button. IP Wizard will list all IP Cameras in your LAN environment:



4.2 Wizard function

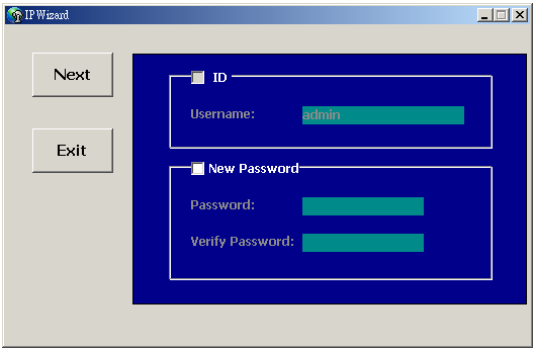
Note	Please select your PT Internet Camera and press "Wizard". The utility featured of "Wizard" function to help user to initial PT Internet Camera. User can setup IP address, username and password step by step.



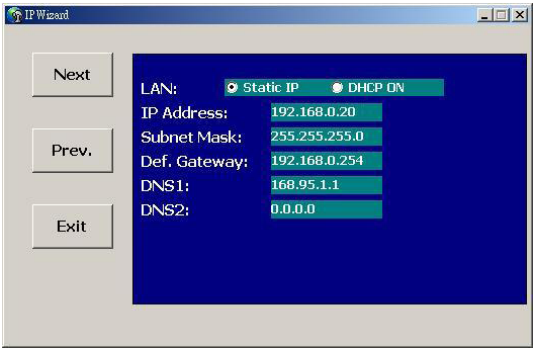
Please enter User Name and Password. Default Username is: **admin**, leave password blank. Then click "Submit".

4.3 Username and Password

You may change the ID and assign a new password to your PT Internet Camera or keep the original and press "Next" to continue.



As below, you can select "Static IP" and enter the IP settings. Or select "DHCP ON" when there is a DHCP server in your network.



Note	If no IP address is assigned after 30 seconds, PT Internet Camera will use its default address 192.168.0.20

User may open the web browser, and key in the IP address (for example: http://192.168.0.20, the default IP address) in the address field to login web configuration page and refer to the User's manual in the bundled CD disk for more configuration.

Chapter 5. Cam Viewer Installation

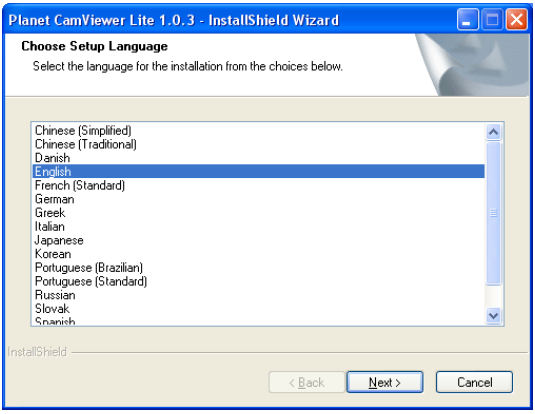
This chapter will guide you to install the central management software. The PT Internet Camera can be managed through its web interface. However, to central control, manage or record the cameras installed in the network Cam Viewer, the windows-based central management software are required.

Note	The Cam Viewer Pro 30 days trial version installation steps are similar. Below is the installation of Cam Viewer Lite.

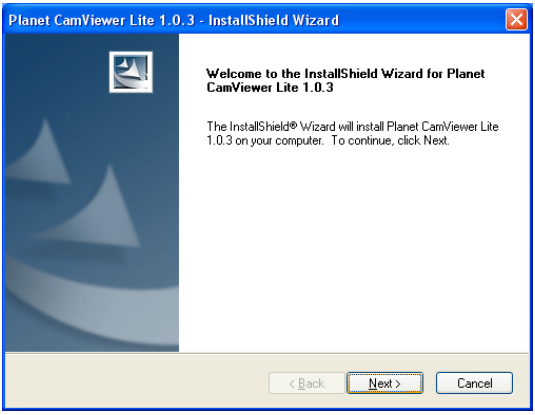
1. Insert the bundled CD disk into the CD-ROM drive to launch the autorun program. Once completed, a welcome page will appear in IE. Click the "Cam Viewer Lite" hyperlink, the below InstallShield Wizard dialog box will appear.

Note	If the welcome screen does not appear, click "Start" at the taskbar. Then, select "Run" and type "D:\Cam Viewer Lite\setup.exe", assume "D" is your CD-ROM drive.

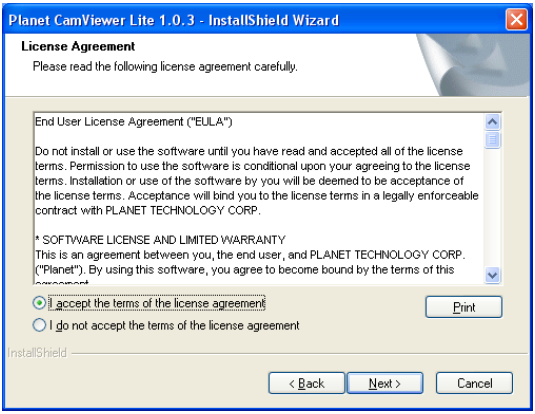
2. Selects the language which you want, Cam Viewer is current including fifteen languages. Please select one of the languages and click "Next" to continue.



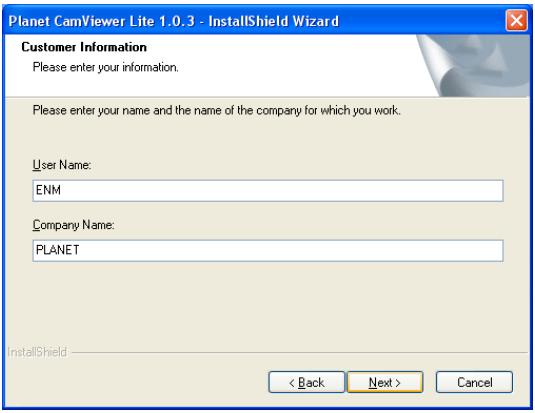
3. The welcome screen will display on the screen, please click "Next".


Planet CamViewer Lite 1.0.3 - InstallShield Wizard
Welcome to the InstallShield Wizard for Planet CamViewer Lite 1.0.3
The InstallShield® Wizard will install Planet CamViewer Lite 1.0.3 on your computer. To continue, click Next.
< Back
Next >
Cancel

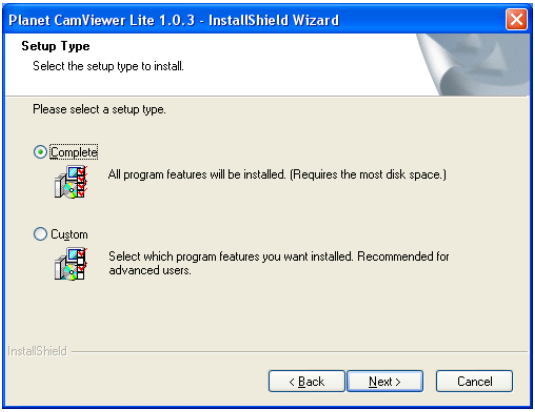
4. Please read the license agreement and then check "I accept the terms of the license agreement" if you are agreed and click "Next" to continue the installation


Planet CamViewer Lite 1.0.3 - InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
End User License Agreement ("EULA")
Do not install or use the software until you have read and accepted all of the license terms. Permission to use the software is conditional upon your agreeing to the license terms. Installation or use of the software by you will be deemed to be acceptance of the license terms. Acceptance will bind you to the license terms in a legally enforceable contract with PLANET TECHNOLOGY CORP.
* SOFTWARE LICENSE AND LIMITED WARRANTY
This is an agreement between you, the end user, and PLANET TECHNOLOGY CORP. ("Planet"). By using this software, you agree to become bound by the terms of this
I accept the terms of the license agreement
I do not accept the terms of the license agreement
Print
InstallShield
< Back
Next >
Cancel

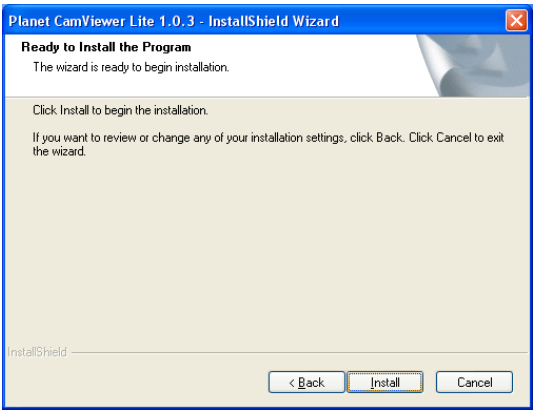
5. Please key in user name and company name for which you want and click "Next" to continue installation.



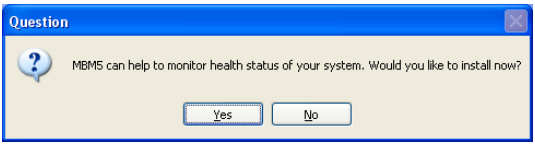
6. Check the option "Complete" – all program features will be installed (Requires the most disk space) and click "Next" to continue installation.


Planet CamViewer Lite 1.0.3 - InstallShield Wizard
Setup Type
Select the setup type to install.
Please select a setup type.
Complete
All program features will be installed. (Requires the most disk space.)
Custom
Select which program features you want installed. Recommended for advanced users.
InstallShield
< Back
Next >
Cancel

7. "Ready to Install the Program" will appear to prompt you to start the installation. Please click "Install" to start.


Planet CamViewer Lite 1.0.3 - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
< Back
Install
Cancel

8. Please click "No" to finish the Cam Viewer Lite installation.



Note

In above step, when Cam Viewer works with MBM5 (Motherboard Monitor 5), Cam Viewer will display CPU temperature and fan speed. Please click "Yes" if you need this function and refer to the manual of Cam Viewer CD disk for complete installation.

Now, you can central manage all the PT Internet Camera installed in your network. Please refer to the Cam Viewer guide in the CD-ROM for more.

Appendix A: Feature Listing for Cam Viewer

Software Version	Cam Viewer Lite (Free Bundle version)	Cam Viewer Pro (30-day Trial version)*
IP Camera Input	32	16 / 32 / 64
Dual Monitor	-	V
Smart Guard	-	V
I/O Device	V	V
Hotline	-	V
Address Book	-	V
Log Viewer	Unusual event System log	Unusual event System log Counting application
Counting Application	-	2 way counting
Remote Playback Server	-	Unlimited
Concurrent Playback	1 Channel	16 Channels
Counting Function	-	V
Smart Search	General Motion	General Motion Missing Object Foreign Object Lose Focus Camera Occlusion
Remote Live Viewer	1 Channel	16 Channel

*Remark: Refer to Appendix B for more

Appendix B: Suggest Hardware / System Requirement

Total FPS	~600	600~480	480~240	240~120	120~
CPU	Intel Core 2 Duo QX6800	Intel Core 2 Duo E6600	Intel Pentium D 930	Intel P4 3.0 GHz	Intel P4 2.8 GHz
RAM	4 GB	2 GB	2 GB	1 GB	1 GB
Chipset of Motherboard	Intel 946 or 965 chip, Intel Chipset recommended				
VGA Card	ATI Radeon 9200, nVIDIA GeForce FX-5200, Intel 945/965 or above				
Ethernet	100 Base-TX or Above, Gigabit LAN recommended				
Hard Disk	160 GB or above				
O.S.	Windows 2000 / XP / 2003				

Total FPS: Means all the cameras will spend how many frames when this software works. Suppose there are 10 cameras, each one will work with 30fps; the total fps should be 300fps.

Ordering Information for Cam Viewer Pro

Model	Description
CVP-16	16-Channel Cam Viewer Professional
CVP-32	32-Channel Cam Viewer Professional
CVP-64	64-Channel Cam Viewer Professional

Further Configuration

If you want to configure more detail settings of PT Internet Camera, please refer to the user manual in the CD disk.